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Claims

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1. Device for placing a label (1) of any external profile with a first central opening (2) on a compact disc (3) with a second central opening (4), the device comprising:

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a positioning member (5) having at least one centering member (7), the external dimension of which is adapted to the first central opening (2) of the label (1), and having a centering part (8) in its center, the external diameter of which is adapted to the second central opening (4) of the compact disc (3), and which projects beyond the centering member (7),
a base member (9) with an outer ring (10) supporting a disc-shaped top surface (11), on which a label (1) can be arranged, whereby the top surface (11) has a central opening (12) within which the positioning member (5) is located moveably perpendicular to the top surface (11), and projects beyond the top surface (11) in an inoperative position (13), and in a labeling position (14), is lowered into the central opening (12),

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characterized in that,

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the outer ring (10) has at least one flexible tongue (15, 16) in a first fitted groove (17, 18) of the outer ring (10), the tongue root (19) of which is connected at a base section (20) of the outer ring (10), and the tongue tip (21) of which supports a flexible supporting beam (22, 23) whereby the supporting beam (22, 23) extends radially inwardly from the tongue tip (21) into a second fitted groove (24, 25) of the top surface (11) up to the positioning member (5), and that

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the base member (9) has at least one mounting position (41, 42, 43, 44) for at least one profile part (45) at its top surface (11) for adapting the device to the external profile of the label.

- 5 2. Device according to claim 1, characterized in that the profile part (45) has at least one fitted part (46) which is insertable into the mounting position (41, 42, 43, 44), and in that the profile part (45) is a beam (47) with at least two journals (48, 49) which are insertable into two fitted mounting positions (41, 42 or 43, 44) on the top surface (11) of the base member (9).
- 10 3. Device according to claim 1 or claim 2, characterized in that the mounting position has at least one opening in the top surface (11) of the base member (9) with polygonal cross-section.
- 15 4. Device according to any of the preceding claims, characterized in that the profile part (45) has at least one journal with polygonal cross-section.
- 20 5. Device according to any of the preceding claims, characterized in that the profile part (45) is positioned on a compensation disc whereby the compensation disc has a central opening corresponding to the central opening (2) of the label (1).
- 25 6. Device according to any of the preceding claims, characterized in that the cross-section of the flexible tongues (15; 16) is concave-curved, and each flexible tongue (15, 16) has a pressure point.
7. Device according to any of the preceding claims, characterized in that the positioning member (5) forms a one-piece unit (6) with centering member (7) and centering part (8).

8. Device according to any of the preceding claims, characterized in that the centering member (7) and the centering part (8) are moveable together perpendicular to the top surface (11).
- 5 9. Device according to any of the preceding claims, characterized in that the centering member (7), the centering part (8), the flexible supporting beam (22, 23, 26), the flexible tongue (15, 16), and the outer ring (10) are connected to each other non-releasably.
- 10 10. Device according to any of the preceding claims, characterized in that the device (30) is made out of one piece.
11. Device according to any of the preceding claims, characterized in that the device (30) is one single injection-molded part.
- 15 12. Device according to any of the preceding claims, characterized in that the positioning member (7) has a ring-shaped base (28) as centering member, on the surface (29) of which the centering part (8) projects in the center.
- 20 13. Device according to any of the preceding claims, characterized in that the centering member (7) is a ring (31) having a base plate (32) in the center of which the centering part (8) is positioned.
14. Device according to any of the preceding claims, characterized in that the distance between compact disc (3) and label (1) corresponds to the height of the centering member (7), according to which the centering member (7) projects beyond the top surface (11) of the outer ring (10).
- 25 15. Device according to any of the preceding claims, characterized in that the centering member (7) has at least two ring segments (33, 34) projecting
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beyond the top surface (11) of the outer ring (10), and are connected to each other through a circular base plate (32).

16. Device according to any of the preceding claims, characterized in that the supporting beams (22, 23, 26) are tapered radially inwardly towards the positioning member (5).
17. Device to any of the preceding claims, characterized in that the flexible tongue (15, 16) is broader in its tongue root section (19) than in the tongue tip section (21).
18. Device according to any of the preceding claims, characterized in that the outer ring (10) is reinforced at the base section (20).
- 15 19. Device to any of the preceding claims, characterized in that the outer ring (10) has an outer flange (34) in the base section (20).
20. Device according to any of the preceding claims, characterized in that in the edge region of the central opening (12) of the top surface (11), a reinforcement (36) is provided at the lower side.
21. Device according to any of the preceding claims, characterized in that at least three flexible tongues (15, 16) with three flexible supporting beams (22, 23, 26) are positioned on the circumference of the outer ring (10).
- 25 22. Method for using the device according to any of claims 1 to 21 for labeling a compact disc (3), having the following procedure steps:
 - fitting a profile part into at least one mounting position or placing a corresponding compensation disc having a profile part, in case a label is to be applied on a corresponding compact disc having an external profile differing from a circular shape,

- placing the label (1) with non-adhesive side downwards onto the horizontal disc-shaped top surface (11) of the base member (9) whereby the adhesive side of the label (1) points upwards, and the label (1) is pushed with its central opening (2) over the centering member (7),
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- detaching a lamination sheet from the adhesive side of the label (1),
- placing the compact disc (3) with its labeling side downwards onto the positioning member (5) whereby the compact disc (3) is pushed with its central opening (4) over the centering part (8), and rests on the centering member (7), and whereby the distance between label (1) and compact disc (3) is determined by the height, according to which the centering member (7) projects beyond the disc-shaped top surface (11) in the inoperative position (13),
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- pushing down the positioning member (5) with the compact disc (3) being placed on the centering member (7), from the inoperative position (13) in vertical direction into the labeling position (19) onto the adhesive side of the label (1),
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- relieving the positioning member (5) whereby the positioning member (5) bounces back into the inoperative position (13) due to the flexible tongues (15, 16) at the outer ring (10), and, thereby raises the labeled compact disc (3) from the top surface (11) of the base member (9) resting on the centering member (7).
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23. Method for manufacturing a labeling device according to any of claims 1
25 to 21 for a compact discs (3), having the following procedure steps:
- providing a first two-part injection mould with a lower mould and an upper mould, forming together a hollow mould in an assembled and sealed state, whereby the hollow mould corresponds to the shape of the labeling device (30) according to one of claims 1 to 21,
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 - injecting plastic into the closed first injection mould under filling up of the hollow mould with plastic,

- opening the first two-part injection mould, and removing the labeling device (30) made from plastic.
- injection molding the profile part or a compensation disc with profile part by means of a second injection mould.